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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT TRANSFER

MISSOURI LAND
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

PERMIT TRANSFER (FOR TRANSFERRING PERMITTED ACRES FROM ONE OPERATOR TO ANOTHER)

NAME OF CURRENT PERMIT HOLDER

Staggenborg Materials

PERMIT NUMBER

0720

SITE(S)

Upper Quarry

ADDRESS

189 Hwy 100, 2195 Clifty Rd

CITY

Hermann

STATE

MO

ZIP CODE

65041

CONTACT PERSON

Bill Staggenborg

TELEPHONE NUMBER

573-486-5575

TO BE COMPLETED BY THE CURRENT PERMIT HOLDER

List all reclamation bonds which are held on this permit:

BONDING COMPANY	BOND NUMBER	BOND DATE	AMOUNT
First Bank of Hermann	C.D. #866664224	October 23, 1996*	\$8,000.00
First Bank of Hermann	C.D. #866660005408	February 19, 1999*	\$500.00

*Date Bond Accepted by the Director,
LRP

TO BE COMPLETED BY PROPOSED SUCCESSOR

NAME OF PROPOSED SUCCESSOR

Capital Quarries Company, Inc.

ADDRESS

822 West Stadium Blvd.

CITY

Jefferson City

STATE

MO

ZIP CODE

65109

CONTACT PERSON

Mr. Tommy Crouch, Compliance Manager

TELEPHONE NUMBER

573-634-4800

List any other Land Reclamation Commission Permits currently or previously held by successor or companies owned or partially controlled by successor.

NAME OF COMPANY	PERMIT NUMBER	MINERAL

NOTE: The successor company must provide proof of bond replacement and an affidavit of public notification requirements.

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TRANSFER OF RECLAMATION RESPONSIBILITY

MISSOURI LAND
RECLAMATION COMMISSION


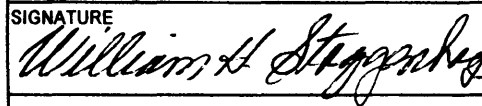
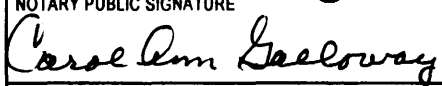
In consideration of receiving the right to mine for Limestone (MINERAL) on the land covered by Missouri Surface Mining Permit Number 0720, which consists of 9 acres located in Section(s) 35, Township(s) 46N, Range(s) 05W, Gasconade County, Missouri, Capital Quarries Company, Inc. (PROPOSED SUCCESSOR),

a Missouri corporation, Missouri partnership, or individual, assumes all responsibility for reclaiming the land previously mined under the aforesaid permit by Staggenborg Materials (FORMER OPERATOR)

All reclamation of the above identified land shall be performed in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo, 2001.

Notwithstanding, the current permit holder agrees to continue to abide by the Missouri Land Reclamation Act and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to the above operation until such time as the transfer application is approved by the Missouri Land Reclamation Program.

The undersigned certify the information give above to be correct, complete and true, and agree to the above assumption of reclamation responsibility.

PROPOSED SUCCESSOR COMPANY		DATE
Capital Quarries Company, Inc.		8/18/2004
SIGNATURE 	NAME ERIC S. STROPE	TITLE PRESIDENT
CURRENT OPERATOR COMPANY		DATE
Staggenborg Materials		
SIGNATURE 	NAME WM. H. STAGGENBORG	TITLE
<p>Appeared before me this <u>18th</u> day of <u>August</u>, 20<u>04</u>, <u>Eric S. Strope</u> to me personally known, who executed the above as their free acts and deeds.</p>		
NOTARY PUBLIC EMBOSSEER SEAL	STATE <u>Missouri</u>	COUNTY (OR CITY OF ST. LOUIS) <u>Cole</u>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>18</u> DAY OF <u>August</u> YEAR <u>2004</u>	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES <u>Oct. 8, 2006</u>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <u>CAROL ANN GALLOWAY</u>	
USE RUBBER STAMP IN CLEAR AREA BELOW.		
CAROL ANN GALLOWAY Notary Public - Notary Seal STATE OF MISSOURI County of Cole My Commission Expires Oct. 8, 2006		
FOR DEPARTMENT USE ONLY: APPROVED BY		DATE APPROVED



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

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P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL		MISSOURI LAND RECLAMATION COMMISSION	
Capital Quarries Company, Inc.		August 16, 2004	
ADDRESS	CITY	STATE	ZIP CODE
822 West Stadium Blvd.	Jefferson City	MO	65109
CONTACT PERSON		TELEPHONE NUMBER	
Mr. Tommy Crouch, Compliance Manager		573-634-4800	
Check any that apply:			
<input type="checkbox"/> New Permit <input checked="" type="checkbox"/> Permit Amendment <input type="checkbox"/> Permit Revision <input type="checkbox"/> Permit Expansion			
SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (East or West)	
1. Hermann (Staggenborg) Quarry (Site #14)	6 new	S-35, T-46N, R-05W, Gasconade County	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
ATTACH ADDITIONAL SHEETS IF NECESSARY			
SIGNATURE OF APPLICANT		TITLE	DATE
		PRESIDENT	8/18/2004
Appeared before me this <u>18th</u> day of <u>Aug</u> , 20 <u>04</u> , <u>Eric S. Strope</u> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)	
	Missouri	Cole	
	SUBSCRIBED AND SWORN BEFORE ME, THIS		USE RUBBER STAMP OR EMBOSSEER SEAL IN AREA BELOW Notary Public - Notary Seal STATE OF MISSOURI County of Cole My Commission Expires Oct. 8, 2006
	18th DAY OF Aug 20 04 NOTARY PUBLIC SIGNATURE 		
NOTARY PUBLIC NAME (-TYPED OR PRINTED)			
CAROL ANN GALLOWAY			
FOR DEPARTMENT USE ONLY: APPROVED BY		DATE APPROVED	PERMIT NUMBER
		EXPIRATION DATE	

ATTACH FEES AND BONDING WORKSHEET.

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MISSOURI LAND

~~RECLAMATION COMMISSION~~ DATE

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL

Capital Quarries Company, Inc.

August 16, 2004

FEES: COMPLETE SECTION I OR SECTION II

SECTION 1. FEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

List SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six (6) months per permit year pay \$150.00
		For sites operated six (6) months or more per permit year pay \$300.00
Hermann (Staggenborg) Quarry (Site #14)	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ N/A
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ _____
TOTAL SITE FEE		➔ \$ N/A

2. Acreage fee: \$5 X 6 new **number of acres bonded** ----- **\$30.00**

3. Annual permit fee: ----- **\$500.00** N/A

4. Total Fee: Add Totals from 1, 2, and 3----- \$30.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only _____ \$2500.00

SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:

1. Annual permit fee:----- \$300.00

III. BONDING - for all EXCEPT In-Stream mine sites:

A. For sand and gravel operators mining less than five thousand (5,000) tons/year:

Number of new acres _____ X \$500/acre ----- \$N/A

B. For ALL other open pit operations:

Minimum per permit ----- \$8,000.00

Acreage over 8 acres 817 X \$500/acre ----- \$408,500

TOTAL BONDING REQUIRED ----- **\$416,500**

1

Check here if adequate bonding is already posted.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.			MISSOURI LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER		PERMIT NUMBER	
Hermann (Staggenborg) Quarry - Site #14		0234	
COMPANY NAME			
Capital Quarries Company, Inc.			
COUNTY	1/4 SECTION	SECTION	
Gasconade	SW	35	
TOWNSHIP	RANGE	ACRES	
46N	05W	50	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
N/A			
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	
Limestone		N/A	
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)			
Kenneth & Denver Lionberger (dba D&K Properties)			
ADDRESS			
400 Market Street			
CITY	STATE	ZIP CODE	
Hermann	MO	65041	
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
<input type="checkbox"/> MINERAL DEED			July 2004
<input checked="" type="checkbox"/> LEASE			
<input type="checkbox"/> WARRANTY DEED			
<input type="checkbox"/> VERBAL AGREEMENT			
<input type="checkbox"/> OTHER (DESCRIBE):			
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)			
As Above			
ADDRESS			
CITY	STATE	ZIP CODE	
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
<input type="checkbox"/> MINERAL DEED			
<input type="checkbox"/> LEASE			
<input type="checkbox"/> WARRANTY DEED			
<input type="checkbox"/> VERBAL AGREEMENT			
<input type="checkbox"/> OTHER (DESCRIBE):			
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.			

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

AUG 30 2004

MISSOURI LAND
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE). <input type="checkbox"/> SHORT TERM. FOR ONE PERMIT YEAR <input checked="" type="checkbox"/> LONG TERM. FOR PERIOD THROUGH DATE: 2023		COMPANY NAME <u>Capital Quarries Company, Inc. - Hermann Quarry</u>
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR). INCLUDING SOIL VEGETATION AND TOPOGRAPHY.		
<p>This mine plan covers approximately 50 acres located immediately west of the city limits of Hermann. The site was previously permitted and operated by Staggenborg Materials, who opened the site in 1996. The site is now being transferred to Capital Quarries. At the time of transfer, at least nine acres had been affected by mine-related activities. The remainder of the site consists of a south-trending ridge overlooking an unnamed tributary to Frene Creek. Topographic relief is approximately 140 feet. Slopes average 10-20%. According to the Gasconade County Soil Survey (1997), topsoil within the site is assigned to the Menfro Silt Loam. Typical A horizon soil thickness averages 3-5 inches. Subsoil extends to a depth of 50-60". Ground cover is a mixture of scrub hardwood and unmaintained pasture. Stripping of topsoil occurred in the 1930s, according to the previous operator's mine plan.</p>		
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.		
A. TOPSOIL		
AVERAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING <div style="text-align: center; margin-top: 10px;"> <u>3-5</u> INCHES </div>	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? <div style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> YES OR <input checked="" type="checkbox"/> NO </div>	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL		
<p>If topsoil is encountered within undisturbed parts of the mine plan area as mining progresses, it and underlying subsoil to a depth of 12" will be removed ahead of the leading edge of the pit using dozers and scrapers.</p>		
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION		
<p>If encountered, topsoil salvaged during mining operations will be stockpiled using scrapers/end dumps in protected areas, away from drainages or other low-lying areas, and seeded with a temporary grass cover to avoid excessive wind and water erosion. Topsoil stockpiles will be placed within bonded areas of the permit. If necessary, berms will be erected around stockpiles.</p>		

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

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Spoil will be handled using a combination of dozers/end dumps/scrapers. It may be consolidated along the southern margin of the permit in the form of a safety berm along Sawmill Rd.

C. ACID MATERIALS

(DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT. IF NOT CLEAR ON SITE MAPS

Existing pit moving west (See Detail Map)

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE. For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way. and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater. unless a variance is granted by the Commission.)☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2) (D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE Development (Industrial)	B. SEEDING OR PLANTING TIME Fall (9/1-10/30); Spring (3/15-5/1)
---------------------	---	--

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seed will be drilled or broadcast using a cyclone seeder. If broadcast, seed will be worked into the ground using a harrow or similar tool designed for that purpose. Industrial areas that may require revegetation include berms, spoil banks, and isolated parts of the mine plan area.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue/Bluegrass	10		
Smooth Brome	5		
Crown Vetch	3		
Alfalfa/Red Clover	5		

REVEGETATION MIX #2	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
---------------------	---------------------	--------------------------

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Spoil disposal areas will be graded to a free-draining topography traversable by farm machinery and suitable for the intended land use. A maximum of 25% of the spoil placement area may consist of steeper slopes, but will be graded to a minimum width of 30' or 1/2 the diameter of the base of the pile, whichever is less. A consolidated materials highwall may remain after mining.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Will be completed within 12 months after expiration or renewal of the permit unless those areas are needed as part of the active operations at the site.

REPLACEMENT OF TOPSOIL

Will be completed within 12 months after expiration or renewal of the permit unless those areas are needed as part of the active operations at the site.

REVEGETATION

Seeding will be conducted within 24 months of grading and/or topsoiling of inactive parts of the mine site.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12" incl. subsoil - excludes industrial areas

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Industrial

50

Water impoundments (for wildlife, agricultural, or development)

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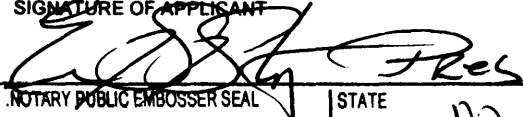

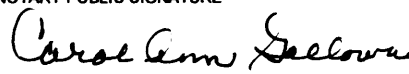
AUG 30 2004

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By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

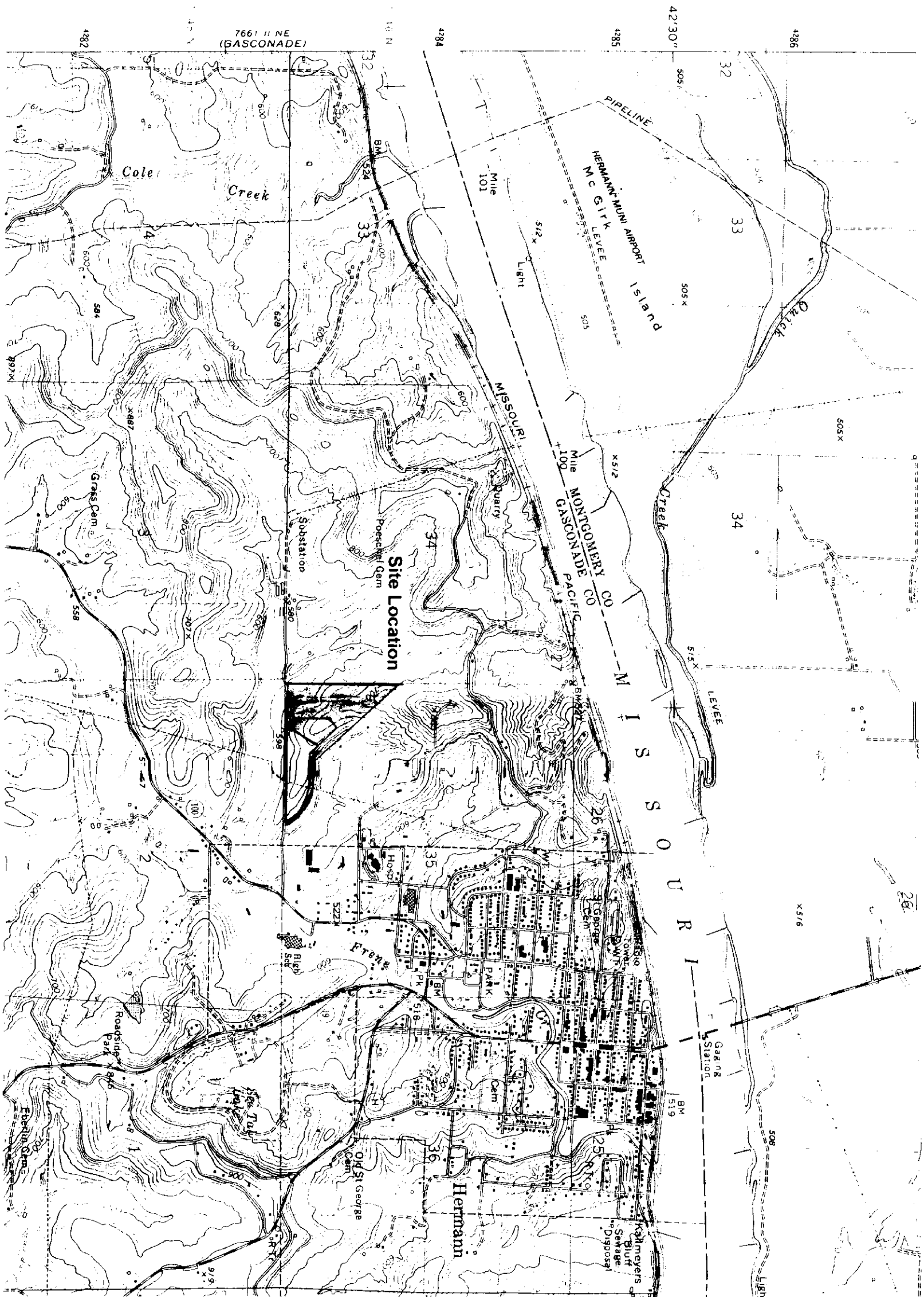
1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE PRESIDENT		DATE 8/18/2004	
NOTARY PUBLIC EMBOSSEER SEAL 		STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Cole	
SUBSCRIBED AND SWORN BEFORE ME THIS 18th DAY OF Aug 2004				USE RUBBER STAMP IN CLEAR AREA BELOW CAROL ANN GALLOWAY Notary Public - Notary Seal STATE OF MISSOURI County of Cole My Commission Expires Oct. 8, 2006	
NOTARY PUBLIC SIGNATURE 		MY COMMISSION EXPIRES Oct 8, 2006			
NOTARY PUBLIC NAME (TYPED OR PRINTED) CAROL ANN GALLOWAY					
FOR DEPARTMENT USE ONLY: APPROVED BY			DATE APPROVED		PERMIT NUMBER 0234

LOCATOR MAP

Capital Quarries Co., Inc. - Permit #0234

2003 Permit Transfer & Amendment



Notes:
 All boundaries approximate
 Map Source: Hermann USGS Quad, Photorevised: 1985

Scale: 1" = 2000'

Hermann Quarry (Site #14)

S-35, T-46N, R-05W, Gasconade County

☒ Mine Plan: 50 ac
 Transferred: 50 ac
 Permitted: 15 ac
☐ Transferred: 9 ac
☐ Amd-New: 6 ac

Prepared August 2004, M.C. Carlson



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GREDELL Engineering Resources, Inc.

1505 East High Street
 Jefferson City, Missouri 65101
 Telephone (573) 659-9078
 Facsimile (573) 659-9079

MISSOURI LAND RECLAMATION COMMISSION

DETAIL MAP
Capital Quarries Co., Inc. - Permit #0234
 2003 Permit Transfer & Amendment



Notes:
 All boundaries approximate
 Map Source: Gasconade County Assessor's Office; Photo date: 1979

Postmine Land Use: 100% Industrial

Scale: 1" = 400'

Hermann Quarry (Site #14)
S-35, T-46N, R-05W, Gasconade County

<input type="checkbox"/> Mine Plan: 50 ac	Permitted: 15 ac
Transferred: 50 ac	<input type="checkbox"/> Transferred: 9 ac
	<input type="checkbox"/> Amd-New: 6 ac

Prepared August 2004, M.C. Carlson

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